

JAN 23 2002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Swarn S. Kalsi

Art Unit : 2834

Serial No. : 09/632,412

Examiner : B. Mullins

Filed : August 4, 2000

Title : STATOR COIL ASSEMBLY FOR SUPERCONDUCTING ROTATING MACHINES

#7/a<sup>w</sup>/Drwg.  
attach-  
Hawkins  
2/14/02

Commissioner for Patents  
Washington, D.C. 20231

RESPONSE

In response to the action mailed August 29, 2001, please amend the application as follows:

In the specification:

Please replace the paragraph beginning at page 17, line 21 with the following rewritten paragraph:

a' -- Referring to Fig. 17, stator coil 410 includes two pancakes 412, 414, each wound two-in hand. That is, each pancake 412, 414 includes a first conductor 416 and a second conductor 418 wound over the other. It is important to note that the relative positions of the first conductor 416 and second conductor 418 are reversed in pancakes 412, 414. In other words, as shown in Fig. 17, first conductor 416 is above second conductor 418 in pancake 412, while in pancake 414, first conductor 416 is below second conductor 418. The transposition of the first conductor and the second conductor takes place at a base 420 of the coil. One approach for manufacturing the double pancake stator coil 410 is first wind out an appropriate length of first and second conductors 416, 418. Pancake 412 is then wound from the base 420 to the outside diameter so that the ends of conductors 416, 418 are accessible at the outer diameter. Pancake 414, in similar fashion, is then wound from the base to the top of the coil. First and second conductors are

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I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

January 9, 2002

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